

## Technical Datasheet

# KNX MultiLight

Art.no.: 44001



## KNX MultiLight Relay

- Suitable for all suspended lighting fixtures
- One mechanical relay 6A
- Two binary inputs
- Two sensor terminals (Pico)
- Temperature controller

**KNX MultiLight 1x 6A relay** includes one potential free relay, two binary inputs, and terminals for local sensors and user panel. MultiLight is a complete thermostat controller for heating and cooling, light control with hysteresis, relay with logic and timer.

Terminals for local sensors make it possible to connect sensor 42001 to get movement and brightness sensing. For temperature sensing and manual adjustment, it can also be connected to the user panel 430xx.

44001 KNX MultiLight 1x 6A relay

## Accessories for KNX MultiLight

42001 2Sense ML mini, movement / lux

43000 Reed ML free, basic

43001 Reed ML free, temperature

43011 Reed ML free, temperature / blinds

43021 Reed ML free, temperature / lights

44901 MultiLight Extension cable, 20 cm, black

44902 MultiLight Adapter cable Pico – RJ45, 20 cm, black

44910 Combo cable 3x0.75mm<sup>2</sup>/KNX, white

44912 Prefabricated combo cable 3x0.75mm<sup>2</sup>/KNX, Free end 2m, white

44913 Prefabricated combo cable 3x0.75mm<sup>2</sup>/KNX, Free end 3m, white

44915 Prefabricated combo cable 3x0.75mm<sup>2</sup>/KNX, Free end 5m, white

44922 Prefabricated combo cable 3x0.75mm<sup>2</sup>/KNX, Wago 2m, white

44932 Prefabricated combo cable 3x0.75mm<sup>2</sup>/KNX, Wieland 2m, white

## Technical data

<b>KNX MultiLight</b>		
Power	• Operating voltage, KNX	21...30 V DC
	• Power consumption, KNX	Normal 10mA / Peak 15mA
Output relay	• Number of potential free contacts	1
	• Un rated voltage	250V AC (50Hz)
	• In rated current	6A
	• Power loss at max. load	1W
Output relay switching power	• Max. inrush current I <sub>p</sub>	60A/150μs
	• AC3 operation (cosφ=0.45) EN 60 947-4 -1	2A
	• AC1 operation (cosφ=0.80) EN 60 947-4 -1	6A
	• DC current switching capacity (Ohmic load)	2A/30V DC
	• Mechanical endurance	100.000
Inputs	• Number of inputs	2
	• Polling voltage U <sub>n</sub>	3.6V
	• Sensing current I <sub>n</sub>	0,5mA
	• Permitted cable lengths	2 m
Connections	• KNX	Via connection terminal without screws
	• Load current circuits	Via connection terminal without screws
	• Inputs	Via connection terminal without screws
	• Wiring	0.5-1.0 mm <sup>2</sup>
	• Terminal of local sensor	4-pole plug Pico
Operating and display elements	• LED	KNX learning mode
	• Switch	KNX learning key
Housing	• PC + ABS (antimony-, chlorine- and bromine-free flame retardant)	
KNX voltage	• SELV 29V DC (safety extra low voltage)	
Temperature range	• Operation	+5 °C ... +45 °C
	• Storage	-25 °C ... +65 °C
	• Transport	-25 °C ... +65 °C
Design	• Dimensions (H x W x D)	17,5 x 30 x 120 mm
Approvals	• EIB / KNX EN 50 090-2-2	Certification
CE mark	• In accordance with the EMC guideline and low voltage guideline	



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